UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,330	07/14/2003	Chuanxiong Guo	221782	6664

22801   7590   09/11/2007

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EXAMINER
HAMZA, FARUK

ART UNIT	PAPER NUMBER
2155	

MAIL DATE	DELIVERY MODE
09/11/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/619,330	GUO ET AL.
	Examiner	Art Unit	
	Faruk Hamza	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>23 July 2007</u>.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-24</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-24</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>0612/07</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____ .

Response to Amendment

1.   This action is responsive to the amendment filed on July 23, 2007. Claims

1-24 have been amended. Claims 1-24 are pending.

2.   The applicant should always use the period for response to thoroughly

and very closely proof read and review the whole of the application for correct

correlation between reference numerals in the textual portion of the Specification

and Drawings along with any minor spelling errors, general typographical errors,

accuracy, assurance of proper use for Trademarks ™, and other legal symbols

®, where required, and clarity of meaning in the Specification, Drawings, and

specifically the claims (i.e., provide proper antecedent basis for "the" and "said"

within each claim). Minor typographical errors could render a Patent

unenforceable and so the applicant is strongly encouraged to aid in this

endeavor.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of
making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the
art to which it pertains, or with which it is most nearly connected, to make and use the same and shall
set forth the best mode contemplated by the inventor of carrying out his invention.

3.   Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as failing to

comply with the written description requirement. The claim(s) contains subject

matter which was not described in the specification in such a way as to

reasonably convey to one skilled in the relevant art that the inventor(s), at the

time the application was filed, had possession of the claimed invention. It recites

"the original connection parameters and the current connection parameters

mapped to the active connection". Applicant's specification failed to describe how

the original and current connection parameters are mapped to the active

connection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the
United States before the invention thereof by the applicant for patent, or on an international application
by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this
title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors

Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology

Technical Amendments Act of 2002 do not apply when the reference is a U.S.

patent resulting directly or indirectly from an international application filed before

November 29, 2000. Therefore, the prior art date of the reference is determined

under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C.

102(e)).

4.   Claims 1-24 are rejected under 35 U.S.C. 102(e) as being

anticipated by Traversat et al. (U.S. Pub. No. 2002/0188657) hereinafter referred

as Traversat.

Traversat teaches the invention as claimed including a system for uniquely

identifying peers and other resources in a peer-to-peer networking environment.

If peers change network addresses, the identifier may be bound to the new

address. Thus, identifiers provide dynamic addressing for resources in the peer-

to-peer environment (See abstract).

As to claim 1, Traversat teaches computer-readable medium having

thereon computer-executable instructions for performing a method comprising:

maintaining, local to a peer participating in one or more communication

connection, a local connection translation table, the local connection translation

table, for each connection of the one or more communication connections,

comprising:

original connection parameters for the connection , the original connection

parameters specifying an initial network attachment point associated with original

establishment of the connection between the peer and a remote peer;

(P[0116],[0249],[0393],[0399],[0414]);

current connection parameters for the connection, the current connection

parameters being different from the original connection parameters if the

connection no longer uses the initial attachment point for incoming and outgoing

data streams (P[0116],[0249],[0393],[0399],[0414]);

responsive to a data stream being at an active connection of the one or

more communication connections, generating, by the peer, translated connection

specifications from connection specifications of the data stream using the original

connection parameters and the current connection parameters mapped to the

active connection (P[0096][0116],[0249],[0393],[0399],[0414]); and

communicating, by the peer, the data stream using the translated

connection parameters to provide peer-to-peer communications

(P[0096][0116],[0249],[0393],[0399],[0414]).

As to claim 2, Traversat teaches the tangible computer-readable medium

of claim 1, wherein the local connection translation table further comprises at

least one original connection parameter and at least one current connection

parameter for each active communication connection

(P[0116],[0249],[0393],[0399],[0414]).

As to claim 3, Traversat teaches the tangible computer-readable medium

of claim 2, wherein:

each active communication connection comprises at least one data

stream, and each data stream comprises at least one connection parameter of

the communication connection (P[0116],[0249],[0393],[0399],[0414]); and

the method further comprises:

for each communication connection having an outbound data stream, translating the at least one connection parameter of the outbound data stream to the corresponding at least one current connection parameter of the local connection translation table (P[0116],[0249],[0393],[0399],[0414]); and

for each communication connection having an inbound data stream, translating the at least one connection parameter of the inbound data stream to the corresponding at least one original connection parameter of the local connection translation table (P[0116],[0249],[0393],[0399],[0414]).

As to claim 4, Traversat teaches the computer-readable medium of claim 3, wherein:

each data stream comprises at least one Internet protocol (IP) datagram; the at least one current connection parameter comprises a current local IP address (P[0153]); and

translating the at least one connection parameter of the outbound data stream to the corresponding at least one current connection parameter of the local connection translation table comprises replacing the source address of each outbound IP datagram with the current local IP address (P[0116],[0249],[0393],[0399],[0414]).

As to claim 5, Traversat teaches the computer-readable medium of claim 4, wherein:

the at least one current connection parameter further comprises a current remote IP address (P[0116],[0249],[0393],[0399],[0414]); and

translating the at least one connection parameter of the outbound data stream to the corresponding at least one current connection parameter of the local connection translation table further comprises:

replacing the destination address of each outbound IP datagram with the corresponding current remote IP address (P[0116],[0249],[0393],[0399],[0414]).

As to claim 6, Traversat teaches the computer-readable medium of claim 1, wherein the local connection translation table further comprises an original connection specification and a current connection specification for each active communication connection, and each connection specification comprises:

a local network attachment point identifier (P[0116],[0249],[0393],[0399],[0414]); and

a remote network attachment point identifier (P[0116],[0249],[0393],[0399],[0414]).

As to claim 7, Traversat teaches the computer-readable medium of claim 6, wherein each network attachment point identifier comprises:

an Internet protocol (IP) address (P[0154]); and

a transmission control protocol (TCP) port (P[0154]).

As to claim 8, Traversat teaches the computer-readable medium of claim 6, wherein each network attachment point identifier comprises:

an Internet protocol (IP) address (P[0154]); and

a user datagram protocol (UDP) port (P[0154]).

As to claim 9, Traversat teaches the computer-readable medium of claim 6, wherein maintaining the local connection translation table comprises:

as a result of a local network attachment point change, for each entry in the local connection translation table, updating the local network attachment point identifier of the current connection specification of the local connection translation table entry (P[0116],[0249],[0393],[0399],[0414]).

As to claim 10, Traversant teaches the computer-readable medium of claim 6, wherein the method further comprises receiving a Connection Update message, the Connection Update message comprising:

an original connection identifier (P[0116],[0249],[0393],[0399],[0414]); and

a new network attachment point identifier (P[0116],[0249],[0393],[0399],[0414]).

As to claim 11, Traversat teaches the computer-readable medium of claim 10, wherein maintaining the local connection translation table comprises:

as a result of receiving the Connection Update message, updating the remote network attachment point identifier of the current connection specification of the local connection translation table entry identified by the original connection identifier of the Connection Update message (P[0116],[0249],[0393],[0399],[0414]).

Claims 12-24 do not teach or define any new limitations other than above claims 1-11. Therefore, rejected for similar reasons.

5.   **Examiner's Note:** Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in its entirety as potentially teaching of all or part of the claimed invention, as well as the context.

Response to Arguments

6.   Applicant's arguments have been fully considered but they are not

persuasive.

In the remarks applicant argues in substance that; A) Traversat does not

teach utilizing initial connection information to maintain peer-to-peer

communications once new connection information becomes available.

In response to A) Applicant is reminded that claim limitation must be given

their reasonable broadest interpretation. Traversat teaches dynamic addressing

mechanism. Peer-to-Peer and UUIDs provide ability for peer nodes to move to

different peer groups and/or peer reasons and access services and other content

independent of network address without requiring reconfiguration of the peer

node. Pee nodes may be relocated and access services and other content that

are locally hosted or services and other content hosted in their original peer

group (See P[0096][0414]). A portion of Traversat's teaching in paragraph [0031]

applicant took out of content. That does not imply pee node does not utilizing

initial connection information to maintain peer-to-peer communications once new

connection information becomes available. Therefore, teaching of Traversat

meets the claimed limitation.

Conclusion

7.   Applicant's amendment necessitated the new ground(s) of rejection

presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.**

See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Faruk Hamza whose telephone number is 571-272-7969. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached at 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information
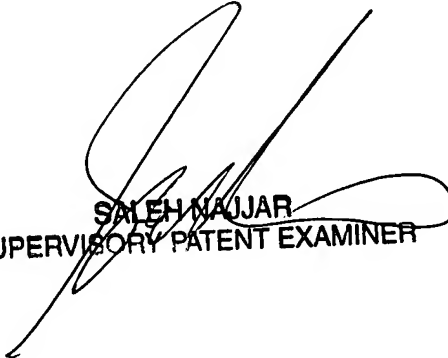
for unpublished applications is available through Private PAIR only. For more

information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 886-217-9197 (toll –free).

Faruk Hamza

Patent Examiner

Group Art Unite 2155

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SUPERVISORY PATENT EXAMINER